

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (withdrawn) A system for flexing a web comprising:
a web handling apparatus including a first web handling assembly and a second web handling assembly and a gap therebetween;
a web passing through a web path, the web path including:
a first portion along the first web handling assembly, a second portion in the gap and a third portion along the second web handling assembly, wherein the second portion includes a radiused segment including a radius; and
means for controlling the radius of the radiused segment.
2. (withdrawn) The system of claim 1, wherein the first web handling assembly is a first roll assembly and the second web handling assembly is a second roll assembly.
3. (withdrawn) The system of claim 1, wherein the first web handling assembly is a first belt assembly and the second web handling assembly is a second belt assembly.
4. (withdrawn) The system of claim 1, wherein the means for controlling the radius comprises:
a sensor for sensing the position of the web in the gap, wherein the sensor is coupled to a controller that controls the relative speed of the first and second web handling assemblies.
5. (withdrawn) The system of claim 1, further including a rotating member surrounded by the radiused segment.
6. (withdrawn) The system of claim 1, further including means for holding the web against the first and second portions of the web path.

7. (withdrawn) The system of claim 6, where in the means for holding is selected from the group consisting of a mechanical engagement means, air pressure means, electrostatic pinning means, adhesive means and vacuum means.
8. (withdrawn) The system of claim 7, wherein the mechanical engagement means is a hook and loop assembly.
9. (withdrawn) The system of claim 1, wherein the means for controlling includes a sensor coupled to a controller, wherein the sensor sends a signal to the controller, the signal being proportional to the error in the position of the web in the gap.
10. (withdrawn) A system for imparting a controlled strain to an indeterminate length web comprising:
a pair of co-rotating members with a gap therebetween;
means for forming a radius on the web when the web is in the gap between the co-rotating members.
11. (withdrawn) The system of claim 10, wherein the pair of co-rotating members are roller assemblies.
12. (withdrawn) The system of claim 10, wherein the pair of co-rotating members are belt assemblies.
13. (withdrawn) The system of claim 10, wherein the means for forming the radius comprises:
means for controlling the speed of the co-rotating members relative to one another; and
means for sensing the web while the web is in the gap, wherein the means for sensing is electronically coupled to the means for controlling.

14. (withdrawn) The system of claim 13, wherein one of the co-rotating members is a pacing roll and the other co-rotating member is a follower roll.

15. (withdrawn) The system of claim 13, wherein the means for sensing the web is an optical sensor.

16. (currently amended) A method of inducing a plastic deformation in a web, wherein the web has a first side and a second side, comprising:

creating a web path including a first portion of the first side, a second portion of the first side, and a third portion of the first side,

wherein the first portion passes along a first rotating member, the second portion includes a radiused section having an effective radius and the third portion passes over a second rotating member and further wherein the first and second members are co-rotating members;

passing the web through the web path, wherein there is no contact with the web along the web path on the second side of the web in the region of the first, second, and third portions;

inducing a plastic strain in the web when the web is passed through the radiused section;

creating a signal based on the position of the radiused section or the measured radius of the radiused section, either singly or in a combination thereof; and

controlling the effective radius based on the signal while the web is moving through the web path.

17. (currently amended) The method of claim 16, wherein creating the web path further includes creating the first portion passing along a first roller and creating the ~~second~~ third portion passing along a second roller.

18. (currently amended) The method of claim 16, wherein creating the web path further includes creating the first portion passing along a first belt assembly and creating the ~~second~~ third portion passing along a second belt assembly.

19. (currently amended) The method of claim 16, further including:
varying the radius of the web as it passes through the second portion of the web path
based on a predetermined set of values.
20. (original) The method of claim 19, wherein said inducing a plastic strain includes
inducing a plastic strain that varies as a function of the web in the machine direction.
21. (withdrawn) A system for inducing a strain in a web comprising:
a machine having a web path;
means for inducing a plastic strain in the web, wherein the means does not make contact
with one surface of the web.
22. (withdrawn) The system of claim 21, wherein the means for inducing a plastic strain
includes a pair of co-rotating members with a gap therebetween.
23. (withdrawn) The system of claim 22, wherein the co-rotating members are selected from
the group consisting of rollers and belts.